

TURBO P 10-30 KVA (3Ph - 3Ph UPS) Online HF TRANSFORMER Less

VIVAT K

Features

- * DSP digital control technology
- * Active power factor correction (APFC), input power factor upto 0.99
- * Output power factor 0.9
- * Dual input
- * Wide input voltage range (190 V - 485 V)
- * 50 | 60 Hz frequency conversion mode
- * Work efficiency up to 98% in ECO mode
- * Auto control fan speed when loads varies
- * Auto Power ON/OFF according to the load capacity set by users
- * LCD + LED display, multi-functional keys operation, friendly human-machine interface
- * Linear derating in low volatage input, reducing battery discharging times, extending the service life of battery
- * Generator compatibility
- * Standard emergency power off (EPO)
- * Standard Maintenance bypass
- * Standard RS232/USB communication port
- * Optional RS485 / SNMP / AS400 communication port and SMS alarms
- * Optional N+X redundancy parallel upto 6 units
- * Optional battery temperature compensation, EMD environmental sensors



 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

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Technical Specification



Capacity	10KVA/9KW	15KVA/ 13.5KW	20KVA/ 18KW	30 KVA/ 27KW
INPUT				
Rated voltage	360V/380V/400V/415 Vac			
Voltage range	277 ~ 485 Vac (no derating); 190 ~ 277 Vac (linear derating between 50% and 100% load)			
Rated frequency	50/60 Hz (auto - sense)			
Frequency range	40 ~ 70 HZ			
Power factor	≥ 0.99			
Total harmonic distortion (THDI)	≤ 5%			
Bypass voltage range	- 40% ~ +15% (settable)			
OUTPUT				
Voltage range	360V/380V/400V/415 Vac (Settable)			
Voltage regulation	±1%			
frequency	45 ~ 55 Hz or 55 ~ 65Hz (synchronised range); 50/60 Hz ± 0.1 Hz (battery mode)			
Waveform	sinusoidal			
Crest factor	3:1			
Total harmonic distortion (THDv)	≤ 2% (linear load); ≤ 5% (non- linear load)			
Transfer time	mains mode to battery mode: 0ms ; inverter mode to bypass mode : 0ms			
Inverter overload capability	102% ~ 125% : transfer to bypass in 10 mins; 125% ~ 150%: tranfer to bypass in 1min; > 150%: transfer to bypass in 0.5 s			
Bypass overload cpability	102% ~ 125% : shut down in 20 mins; 125% ~ 150%: shutdown in 2min; > 150%: shutdown in 1s			
BATTERIES				
DC voltage	standard model: 240Vdc; long time model: 192Vdc(168V/ 192V/ 216V/ 240V optional)			
Inbuilt battery of standert model	20×7Ah	40 ×7Ah	40 × 9 Ah	60 × 9Ah
Charging current	long time model : 7A supplied (additional 7A is optional), standard model: 1A, 2A, 3.5A settable			
recharge time	standard model: 90% capacity stored in 4hrs; long time model: depend on the capacity of battery			
SYSTEM				
Efficiency	≥ 93%, ECO mode 98%			
Display	LCD + LED			
Alarm	Battery mode, low battery, fans fault etc			
Max. parallel numbers	6			
communications	RS232 / USB(standard), RS485 / Dry contacts/ SNMP (optional)			
EMI	IEC/EN62040-2			
EMS	"IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), "			
OTHERS				
Humidity	20 ~ 90% RH @ 0 ~ 40°C (non-condensing)			
Noise level	≤ 60dB (1m)	≤ 65dB (1m)		
Dimensions (W×D×H) (mm)	350 X 655 X 732 (H)			
	350 X 785 X 858 (S)	350 X 785 X 1078 (S)		
Packaged dimensions (W×D×H) (mm)	472 X 780 X 920 (H)			
	472 x 910 x 1050 (S)	472 x 910 x 1260 (S)		
Net weight (kg)	55(H), 115 (S)	60(H), 155 (S)	61(H), 175 (S)	65(H), 235 (S)
Gross weight (kg)	65(H), 125(S)	70(H) , 170 (S)	71(H), 190 (S)	75(H), 250 (S)

* All specifications Subject to change without notice



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